

CONJUGATE LUMINESCENT FIBER

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- **International:** D01F8/04; D01F8/12
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Abstract of JP2112414

PURPOSE: To obtain the subject fiber comprising a polymer containing a luminescent pigment as a core component and a transparent polymer as a sheath component, excellent in fiber spinning properties with hardly any deterioration in luminescent performance and usable in indicating direction of an emergency exit in a fire or power failure by utilizing afterglow.

CONSTITUTION: The objective fiber comprising a polymer (e.g., polyamide, polyester or polyolefin) containing ≥ 10 wt.%, preferably 25-50 wt.% luminescent pigment (e.g., zinc oxide) as a core component and a transparent polymer (e.g., polyamide, polyester, PP or PS) as a sheath component.